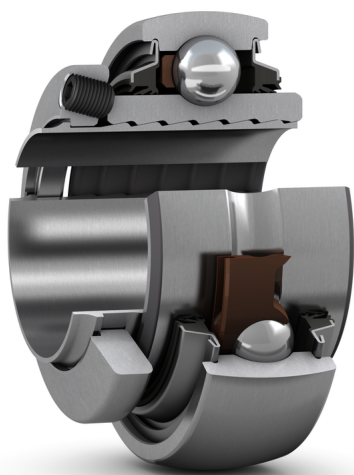




YSP 210 SB-2DW/AG

Insert bearings

Bearing data

[Tolerances,](#)

table 1, table 2,

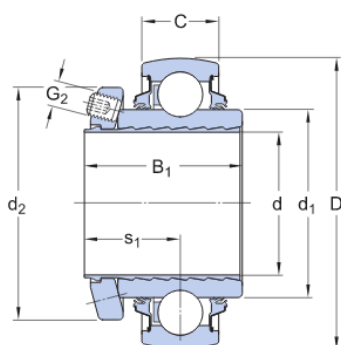
[Radial internal clearance,](#)

Standard inner ring, Other bearings

Design considerations

[Shaft tolerances](#)

Technical specification



DIMENSIONS

d	51.66 mm	Bore diameter
d	50 mm	Bore diameter of sleeve
D	90 mm	Outside diameter
B ₁	46.2 mm	Overall bearing width
B	37 mm	Width of inner ring
C	22 mm	Width of outer ring
d ₁	≈ 62.51 mm	Outside diameter of inner ring
d ₂	72 mm	Outside diameter of locking collar
s ₁	27.7 mm	Distance from locking device side face to bearing centre

Values specified for B₁₁

CALCULATION DATA

Basic dynamic load rating	C	35.1 kN
Basic static load rating	C ₀	23.2 kN
Fatigue load limit	P _u	0.98 kN
Limiting speed ¹⁾		800 r/min
Calculation factor	f ₀	14

MASS

Mass	0.72 kg
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MOUNTING INFORMATION

Set screw	G ₂	M6
Hexagonal key size for set screw	N	3.05 mm
Recommended tightening torque for set screw		7.4 Nm

ASSOCIATED PRODUCTS

Rubber seating ring	RIS 210 A
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More information

Product details Designs and variants Lubrication Bearing data Loads Temperature limits Permissible speed Design considerations Mounting and dismounting Designation system	Engineering information Principles of rolling bearing selection General bearing knowledge Bearing selection process Bearing failure and how to prevent it	Tools Bearing Select Engineering Calculator SimPro Quick Heater selection tool
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